

Jagoda Slawinska

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,011
citations

516710

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h-index

501196

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g-index

30
all docs

30
docs citations

30
times ranked

1710
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy gap tuning in graphene on hexagonal boron nitride bilayer system. Physical Review B, 2010, 81, .	3.2	207
2	Ferroelectric Control of the Spin Texture in GeTe. Nano Letters, 2018, 18, 2751-2758.	9.1	114
3	Unveiling the pentagonal nature of perfectly aligned single-and double-strand Si nano-ribbons on Ag(110). Nature Communications, 2016, 7, 13076.	12.8	98
4	Doping of graphene by a Au(111) substrate: Calculation strategy within the local density approximation and a semiempirical van der Waals approach. Physical Review B, 2011, 83, .	3.2	90
5	Room-temperature ferroelectric switching of spin-to-charge conversion in germanium telluride. Nature Electronics, 2021, 4, 740-747.	26.0	62
6	Reversible modifications of linear dispersion: Graphene between boron nitride monolayers. Physical Review B, 2010, 82, .	3.2	57
7	Persistent spin helix in Rashba-Dresselhaus ferroelectric CsBiNbO_7 . Physical Review Materials, 2019, 3, .	2.4	41
8	Giant spin Hall effect in two-dimensional monochalcogenides. 2D Materials, 2019, 6, 025012.	4.4	30
9	Ab initio study of the relationship between spontaneous polarization and p-type doping in quasi-freestanding graphene on H-passivated SiC surfaces. Carbon, 2015, 93, 88-104.	10.3	29
10	Unconventional spin Hall effects in nonmagnetic solids. Physical Review Materials, 2022, 6, .	2.4	28
11	Spin Hall effect in prototype Rashba ferroelectrics GeTe and SnTe. Npj Computational Materials, 2020, 6, .	8.7	26
12	Ultrathin SnTe films as a route towards all-in-one spintronics devices. 2D Materials, 2020, 7, 025026.	4.4	24
13	Advanced modeling of materials with PAOFLOW 2.0: New features and software design. Computational Materials Science, 2021, 200, 110828.	3.0	21
14	Fingerprints of Dirac points in first-principles calculations of scanning tunneling spectra of graphene on a metal substrate. Physical Review B, 2011, 84, .	3.2	19
15	Doping domains in graphene on gold substrates: First-principles and scanning tunneling spectroscopy studies. Physical Review B, 2012, 85, .	3.2	19
16	Tuning the Graphene on Ir(111) adsorption regime by Fe/Ir surface-alloying. 2D Materials, 2017, 4, 015016.	4.4	18
17	Topologically driven linear magnetoresistance in helimagnetic FeP. Npj Quantum Materials, 2021, 6, .	5.2	18
18	Direct insight into the band structure of SrNbO_3 . Physical Review Materials, 2020, 4, .	2.4	17

#	ARTICLE	IF	CITATIONS
19	Hidden spin polarization in nonmagnetic centrosymmetric BaNiS_2 crystal: Signatures from first principles. <i>Physical Review B</i> , 2016, 94, .		15
20	Fe/GeTe(111) heterostructures as an avenue towards spintronics based on ferroelectric Rashba semiconductors. <i>Physical Review B</i> , 2019, 99, .	3.2	14
21	Role of spin-orbit coupling in the electronic structure of IrO_2 . <i>Physical Review Materials</i> , 2018, 2, .	2.4	14
22	Quantum computation of silicon electronic band structure. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 21816-21822.	2.8	13
23	Absorption and emission modulation in a MoS_2/GaN (0001) heterostructure by interface phonon-exciton coupling. <i>Photonics Research</i> , 2019, 7, 1511.	7.0	10
24	The role of defects in graphene on the H-terminated SiC surface: Not quasi-free-standing any more. <i>Carbon</i> , 2014, 74, 146-152.	10.3	8
25	Complex spin texture of Dirac cones induced via spin-orbit proximity effect in graphene on metals. <i>Physical Review B</i> , 2018, 98, .	3.2	8
26	Spin-orbit proximity effect in graphene on metallic substrates: decoration versus intercalation with metal adatoms. <i>New Journal of Physics</i> , 2019, 21, 073018.	2.9	7
27	QED ₂₊₁ in Graphene: Symmetries of Dirac Equation in 2+1 Dimensions. <i>Progress of Theoretical Physics</i> , 2012, 128, 727-739.	2.0	3
28	High-Throughput Computational Search for Half-Metallic Oxides. <i>Molecules</i> , 2020, 25, 2010.	3.8	1
29	Raman Spectroscopy And Scanning Tunneling Spectroscopy Of Graphene And Multilayer Of Graphene Deposited On The Gold Substrate. , 2010, , .		0
30	The reversible spin texture of ferroelectric GeTe for a tunable source of spin currents. , 2018, , .		0